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1 [Adding parallelism to visual data flow programs](#)

Philip Cox, Simon Gauvin, Andrew Rau-Chaplin

May 2005 **SoftVis '05: Proceedings of the 2005 ACM symposium on S**

Publisher: ACM [Request Permissions](#)

Full text available: [Pdf](#) (278.29 KB)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 43, Download

Programming in parallel is an error-prone and complex task compounded by programming and debugging. Recent advances in compiler-directed shared memory parallelism have made shared-memory parallelism more widely ...

Keywords: data flow, parallel, visual language

2 [Towards a better visual programming language: critiquing Prograph's cc](#)

R. Mark Meyer, Tim Masterson

April 2000 **CCSC '00: Proceedings of the fifth annual CCSC northeastern conference on small colleges**

Publisher: Consortium for Computing Sciences in Colleges

Full text available: [Pdf](#) (85.73 KB)

Bibliometrics: Downloads (6 Weeks): , Downloads (12 Months): 25, Download

Also published in:

May 2000 **Journal of Computing Sciences in Colleges** Volume 15 Issue 5

3 [Linked active content: a service for digital libraries for education](#)

David Yaron, D. Jeff Milton, Rebecca Freeland

January 2001 **JCDL '01: Proceedings of the 1st ACM/IEEE-CS joint conference on digital libraries**

Publisher: ACM [Request Permissions](#)

Full text available: [Pdf](#) (1.51 MB)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 15, Download

A service is described to help enable digital libraries for education, such as spaces for the creation, modification and use of active learning experiences those activities ...

Keywords: active learning, education, web authoring

4 [A graphical interface for real-time signal routing](#)

Jean-Marc Pelletier

May 2005

NIME '05: Proceedings of the 2005 conference on New interf

Publisher: National University of Singapore

Full text available:  [PDF](#) (260.25 KB)

Bibliometrics: Downloads (6 Weeks): , Downloads (12 Months): 7, Downloads

This paper describes DspMap, a graphical user interface (GUI) designed to generators and modifiers currently being developed at the International Ac of relying on traditional ...

Keywords: dynamic--routing, graphical user--interface, map, real-time pe

5 [TiViPE " Tino's Visual Programming Environment](#)

Tino Lourens

September 2004 **COMPSSAC '04: Proceedings of the 28th Annual Internati Applications Conference - Volume 01**, Volume 01

Publisher: IEEE Computer Society

Full text available:  [Publisher Site](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Down

TiViPE [4] is a component based visual programming environment (VPE) th construction of a network of components interactively. A single module (or icon, is a computational unit. ...

6 [Feature extraction in digital mammography using LabVIEW](#)

Mihaiela Lascau, Dan Lascau

November 2005 **CONTROL'05: Proceedings of the 2005 WSEAS international c control**

Publisher: World Scientific and Engineering Academy and Society (WSEAS)

Full text available:  [Publisher Site](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Down

This paper presents some characteristics of mammography images since th micro calcification detection implemented in LabVIEW (Laboratory Virtual Ir LabVIEW is a graphical programming ...

Keywords: LabVIEW, compression, digital database for screening mammo mammograms, micro calcification detection, noise removal, non-linear enh

7 An analysis of a large scale habitat monitoring application

 [Robert Szewczyk, Alan Mainwaring, Joseph Polastre, John Anderson, David Culler](#)
November 2004 **SenSys '04: Proceedings of the 2nd international conference on sensor systems**

Publisher: ACM 

Full text available:  [PDF \(1.22 MB\)](#)

Bibliometrics: Downloads (6 Weeks): 21, Downloads (12 Months): 185, Download

Habitat and environmental monitoring is a driving application for wireless sensor networks. In this paper, we present the results of a month deployment of these networks, ...

Keywords: application analysis, habitat monitoring, implementation, long-distance communication, network architecture, sensor networks

8 VXT: a visual approach to XML transformations

 [Emmanuel Pietriga, Jean-Yves Bion-Dury, Vincent Quint](#)
November 2001 **DocEng '01: Proceedings of the 2001 ACM Symposium on Document Engineering**

Publisher: ACM 

Full text available:  [PDF \(165.99 KB\)](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 29, Download

The domain of XML transformations is becoming more and more important. Many applications adopting XML as their format for data exchange or representation are now expressing XML transformations ...

Keywords: XML transformations, XSLT, circus, visual programming language

9 XML visualization using tree rewriting

 [Josef Jelinek, P. Slavík](#)
April 2004 **SCCG '04: Proceedings of the 20th spring conference on computer graphics**

Publisher: ACM

Full text available:  [PDF \(321.61 KB\)](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 16, Download

In many applications complex structured data have been used. Visualization of this data can help to get better insight both in the data structure and in the application itself. This paper presents a structured data-oriented ...

Keywords: XML visualization, tree rewriting, visual programming

10 The impact of software engineering research on modern programming languages

 [Barbara G. Ryder, Mary Lou Soffa, Margaret Burnett](#)
October 2005 **Transactions on Software Engineering and Methodology**

Publisher: ACM 

Full text available:  [PDF \(3.18 MB\)](#)

Bibliometrics: Downloads (6 Weeks): 25, Downloads (12 Months): 247, Download

Software engineering research and programming language design have enj
traceable impacts since the 1970s, when these areas were first distinguishe
documents this relationship by ...

Keywords: Programming Languages, Software Engineering

11 [Rockwell automation agents for manufacturing](#)

Vladimír Mařík, Pavel Vrba, Ken H. Hall, Francisco P. Maturana

 July 2005 **AAMAS '05: Proceedings of the fourth international joint conference on multiagent systems**

Publisher: ACM

Full text available:  [Pdf](#) (691.37 KB)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 38, Download

The paper provides an overview of the agent-based solutions developed by the purposes of industrial control. Using agent-based manufacturing contro
reconfigurability of manufacturing ...

Keywords: PLC, manufacturing, material-handling, multi-agent systems, r

12 [A recent radical graphical approach to programming](#)

Alfred L. McKinney

June 2003 **Journal of Computing Sciences in Colleges**, Volume 18 Is

Publisher: Consortium for Computing Sciences in Colleges

Full text available:  [Pdf](#) (44.13 KB)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 33, Download

This paper provides a very brief overview of the history of graphical approa
description is given of SoftWIRE, a recent radical graphical approach to pro
SoftWIRE utilizes Visual ...

13 [Resources for using lego mindstorms](#)

Holly Patterson-McNell, Carol L. Binkerd

April 2001 Proceedings of the seventh annual consortium for computing in s
on The journal of computing in small colleges

Publisher: Consortium for Computing Sciences in Colleges

Full text available:  [Pdf](#) (69.16 KB)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 67, Download

LEGO® Mindstorms™ Robotic Invention System (RIS)™ is a programmable
describes the basic features of the RIS. It supplies the reader with URL's (U
community ...

Keywords: LEGO, RCX, mindstorms, programming, robotics

Also published in:

April 2001 Proceedings of the twelfth annual CCSC South Central conference on The journal of corr
March 2001 **Journal of Computing Sciences in Colleges**

14 Advances in dataflow programming languages

 Wesley M. Johnston, J. R. Paul Hanna, Richard J. Millar

March 2004

Computing Surveys (CSUR) , Volume 36 Issue 1

Publisher: ACM 

Full text available:  Pdf (835.52 KB)

Bibliometrics: Downloads (6 Weeks): 33, Downloads (12 Months): 446, Downl

Many developments have taken place within dataflow programming languages; there has been a great deal of activity and advancement in the field of data motivation for this article ...

Keywords: Dataflow, co-ordination languages, component software, data flow programming, multithreading, software engineering

15 Cognitive Factors in Programming with Diagrams

 Alan F. Blackwell, Kirsten N. Whitley, Judith Good, Marian Petre

March 2001

Artificial Intelligence Review , Volume 15 Issue 1-2

Publisher: Kluwer Academic Publishers

Full text available:  Publisher Site

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downl

Visual programming languages aim to broaden the use of diagrams within them; they are integrated into the programming language itself. As a result, they benefit from ...

Keywords: diagrammatic reasoning, diagrams, psychology of programming

16 Functional declarative language design and predicate calculus: a practical comparison

[Raymond Boute](#)

September 2005

Transactions on Programming Languages and Systems

Publisher: ACM  [Request Permissions](#)

Full text available:  [PDF](#) (430.46 KB)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 41, Downloads (Ever): 10

In programming language and software engineering, the main mathematical logic. Yet, as elsewhere in applied mathematics, it is used mostly far below formulation as just ...

Keywords: Analysis, Leibniz's principle, binary algebra, calculational reasoning, elastic operators, function equality, functional predicate calculus, generic functions, programming languages, quantifiers, recursion, software engineering, summa

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